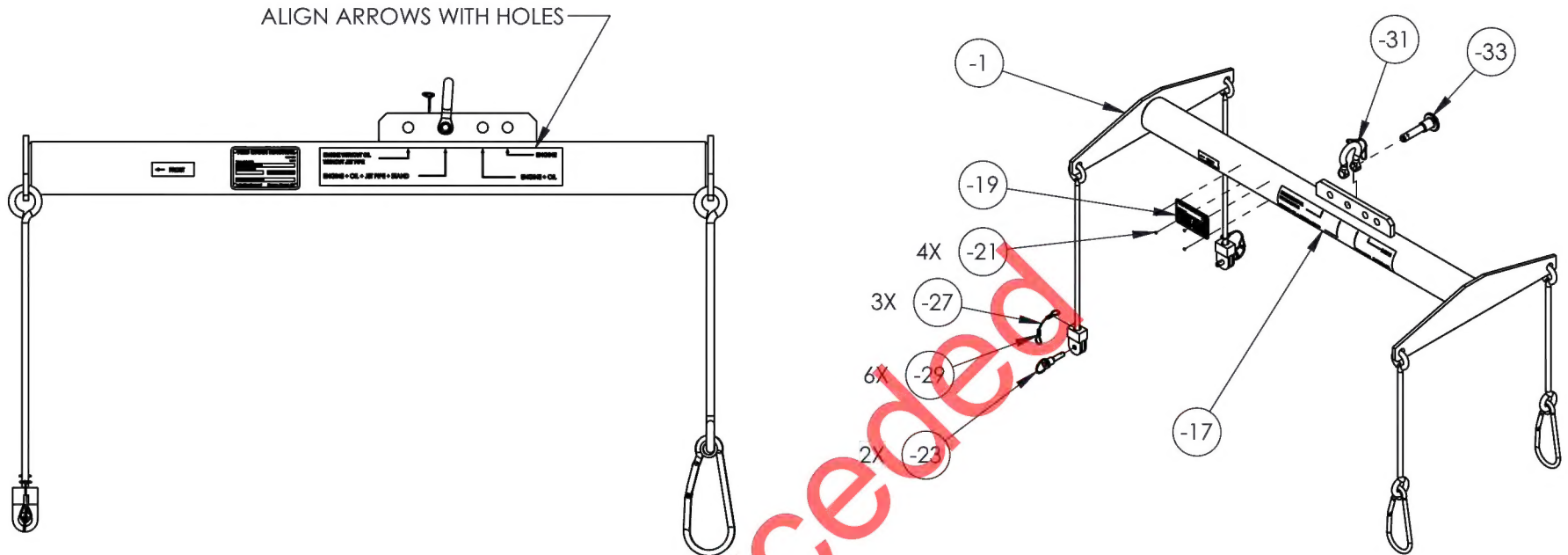


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REV	DESCRIPTION	DATE	INITIAL



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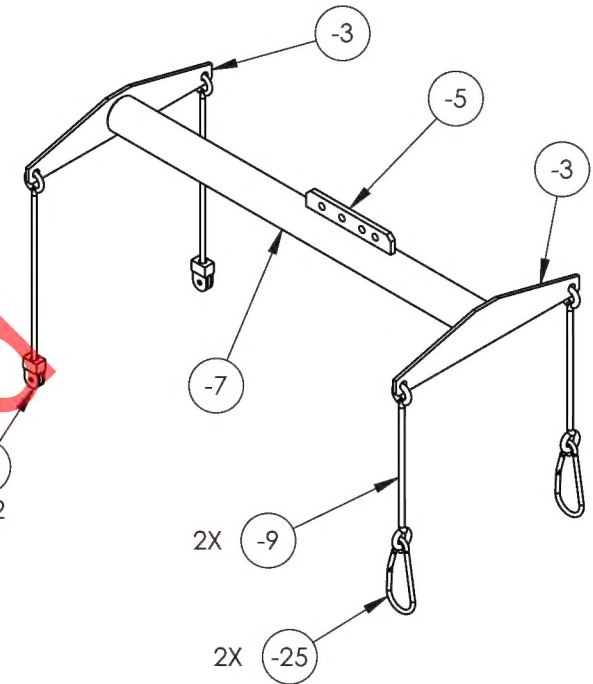
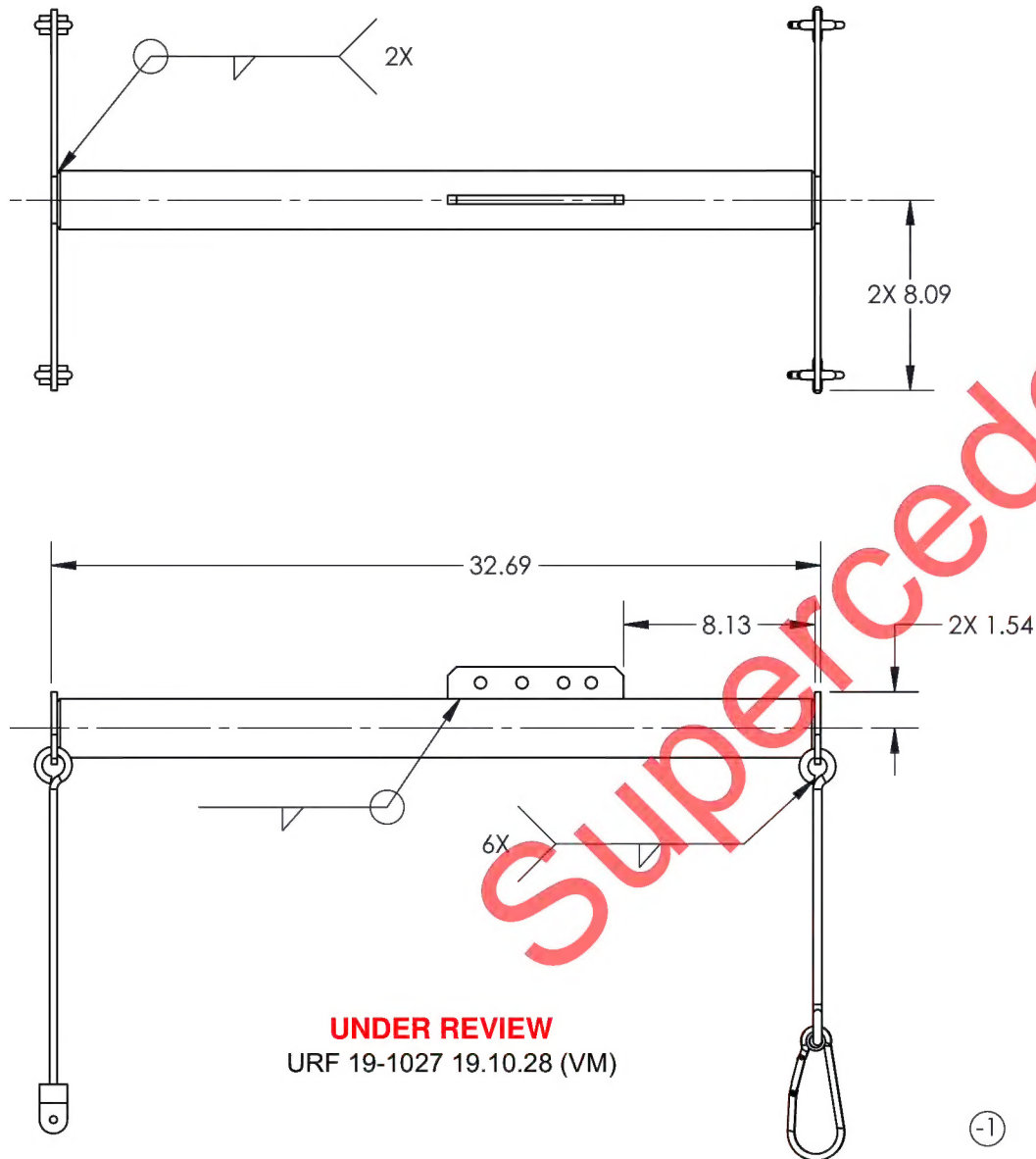
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WELDMENT			2
	2		-3		END PLATE	1018	1/4 X 3-1/8 X 16-5/16	3
	1		-5		LIFT PLATE	1018	3/8 X 1-1/2 X 7-5/8	4
	1		-7		PIPE	1018	Ø2-1/2 X 1/4 WALL X 32-5/16	5
	2		-9		ROD	1018	Ø3/8 X 16-7/8	6
X	2		-11		CLEVIS ROD WELDMENT			7
1			-13		CLEVIS ROD	1018	Ø5/16 X 17-1/8	8
1			-15		CLEVIS	1018	1 X 1-1/4 X 2-1/4	9
			-17	1	STICKER	VINYL	SIGNS NOW	10
		B/O	-19	1	RED BARN PLACARD	ALUMINUM	RB41009	11
		B/O	-21	4	#2 DRIVE SCREW	COATED STEEL		1
		B/O	-23	2	BALL LOCK PIN	S.S.	Ø5/16 X 3/4 MCMaster-CARR #92384A051	1
2		B/O	-25		CARABINER	STEEL	MCMaster-CARR #3933T25	2
		B/O	-27	3	LANYARD	STEEL	Ø1/16 X 8 CARR LANE #2L2C	1
		B/O	-29	6	FERRULE	ALUMINUM	Ø1/16 X 3/8 MCMaster-CARR #3896T31	1
		B/O	-31	1	SHACKLE	STEEL	MCMaster-CARR #3555T49	1
		B/O	-33	1	BALL LOCK PIN	S.S.	Ø1/2 MCMaster-CARR #90985A411	1
ASSY -11	ASSY -1							

 RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:8	DATE 5/3/2011
SHEET 1 OF 12	

DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH: SPEC: USED ON MODEL: EUROCOPTER

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



- NOTE: 1. ASSEMBLE 4 RODS INTO 2 END PLATES, AND 2 CARABINERS AS SHOWN. BEND TOGETHER AND WELD CLOSE.
2. MASK OF HOLES AND SLOT PRIOR TO FINISHING.

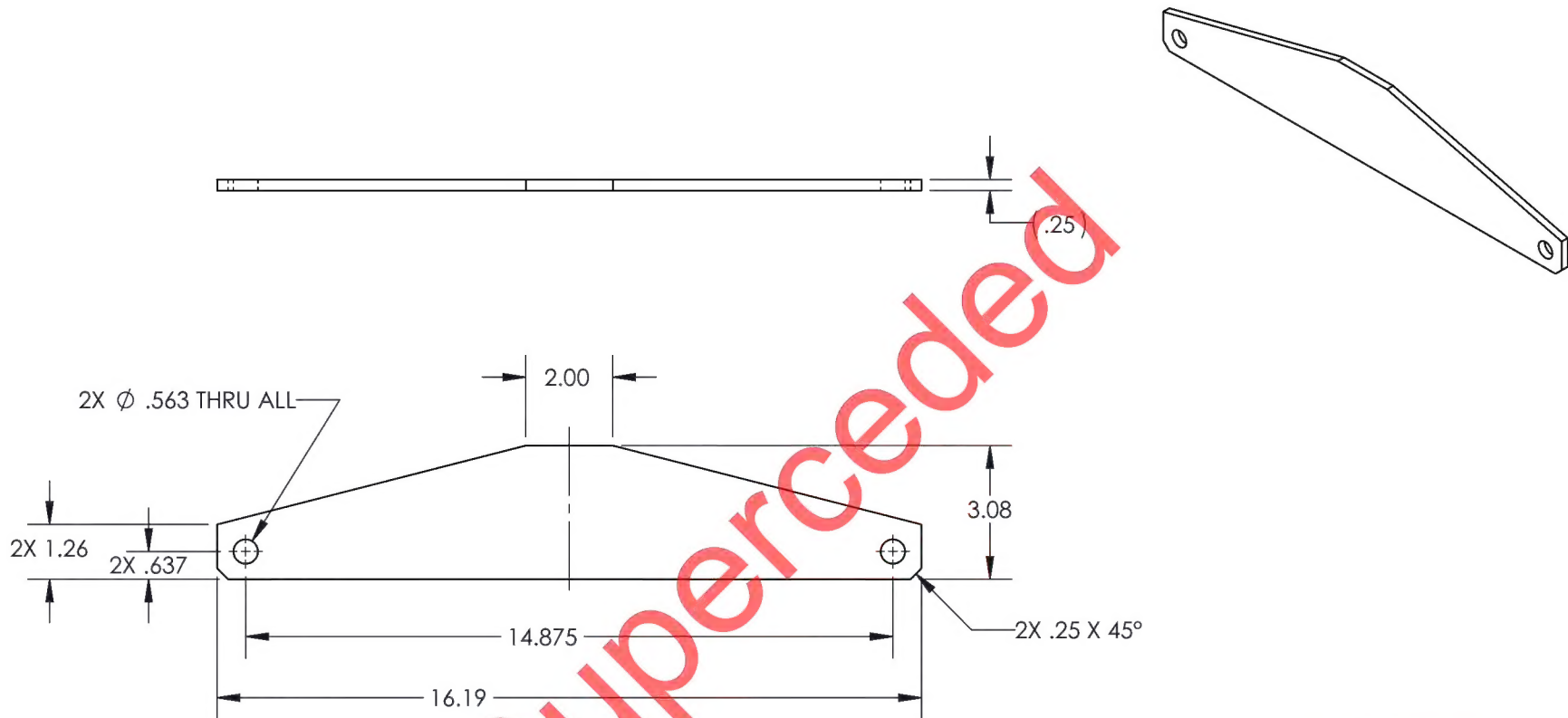
UNDER REVIEW
URF 19-1027 19.10.28 (VM)

(-1)
WELDMENT

RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-1	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538 USED ON MODEL EUROCOPTER	
SCALE 1:8	DATE 5/3/2011
SHEET 2 OF 12	

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REV	DESCRIPTION	DATE	INITIAL



UNDER REVIEW

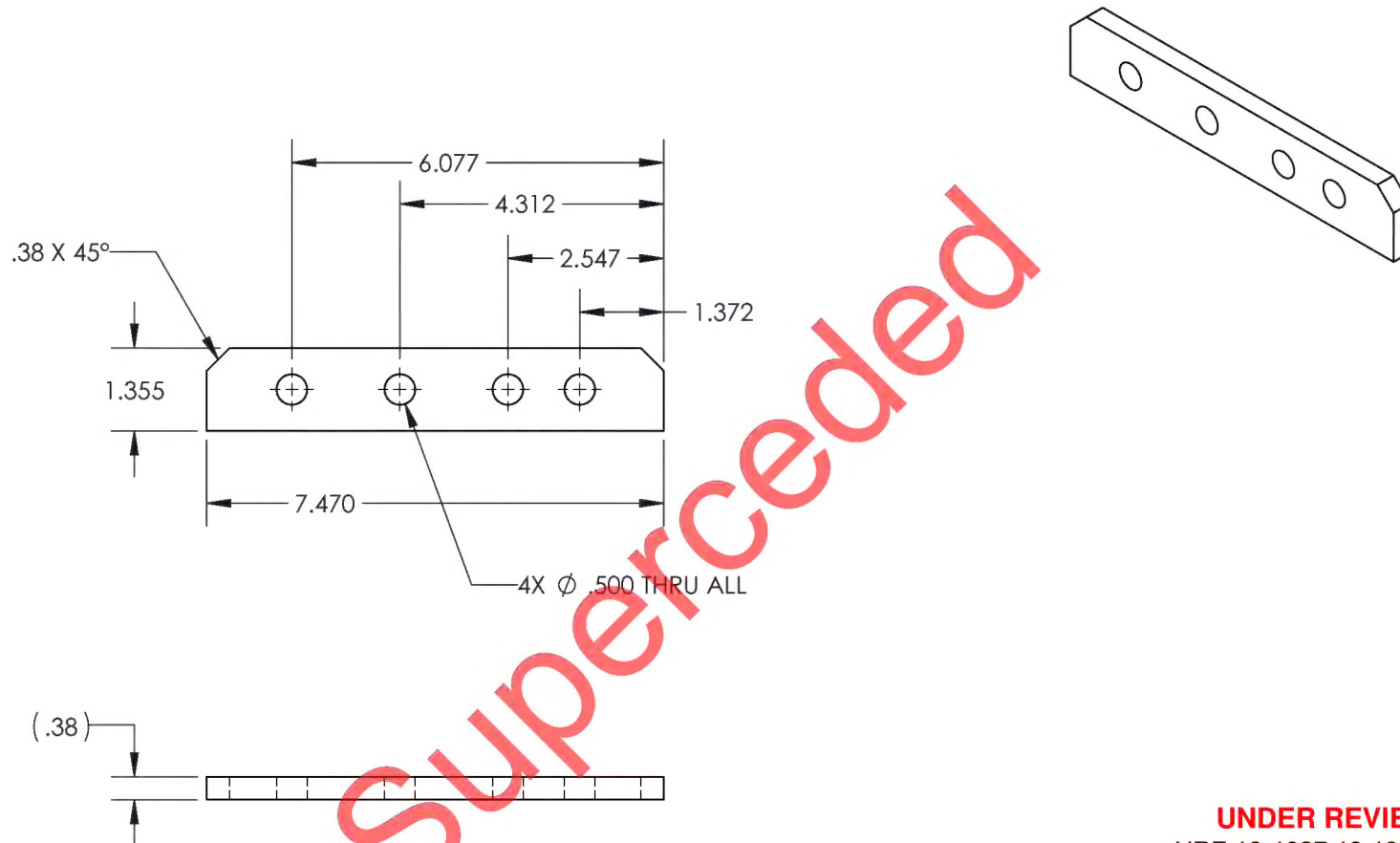
URF 19-1027 19.10.28 (VM)

(-3)
END PLATE

 RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-3	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:4	DATE 5/3/2011
SHEET 3 OF 12	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL




(-5)

LIFT PLATE

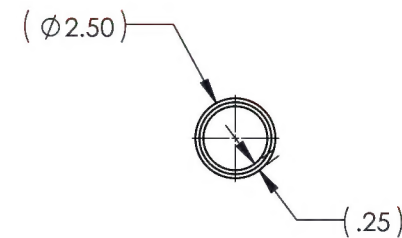
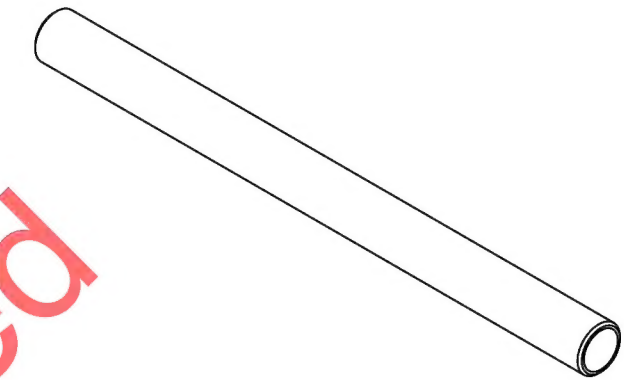
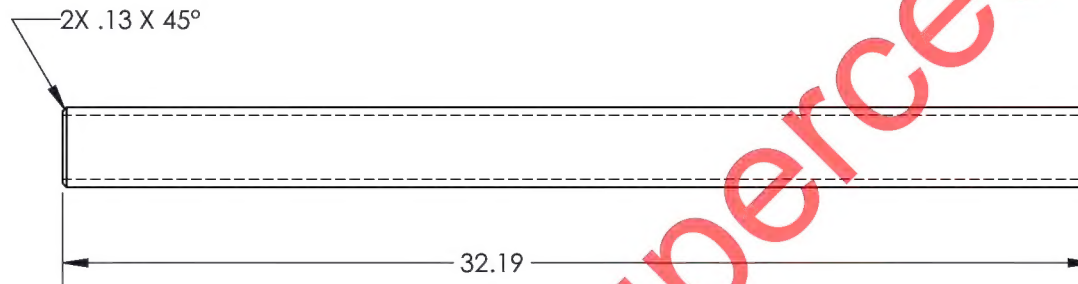
UNDER REVIEW

URF 19-1027 19.10.28 (VM)

 RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBEA91549000-5	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:3	DATE 5/3/2011
SHEET 4 OF 12	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



Superseded

(-7)

PIPE

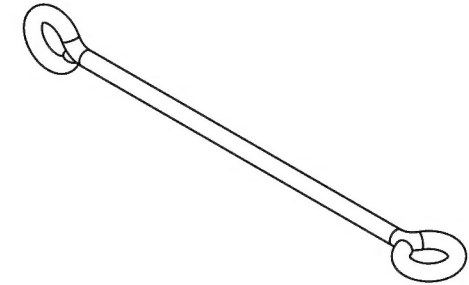
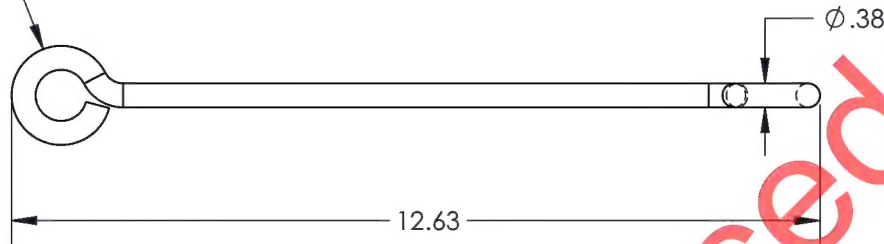
UNDER REVIEW
URF 19-1027 19.10.28 (VM)

 RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-7	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:6	DATE 5/3/2011
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SHEET 5 OF 12	

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2X ϕ 1.550
NOTE 1




UNDER REVIEW
URF 19-1027 19.10.28 (VM)

NOTE: 1. FINISH DETAIL SHOWN, ALLOW .25 GAP
AT BOTH ENDS FOR ASSEMBLY.



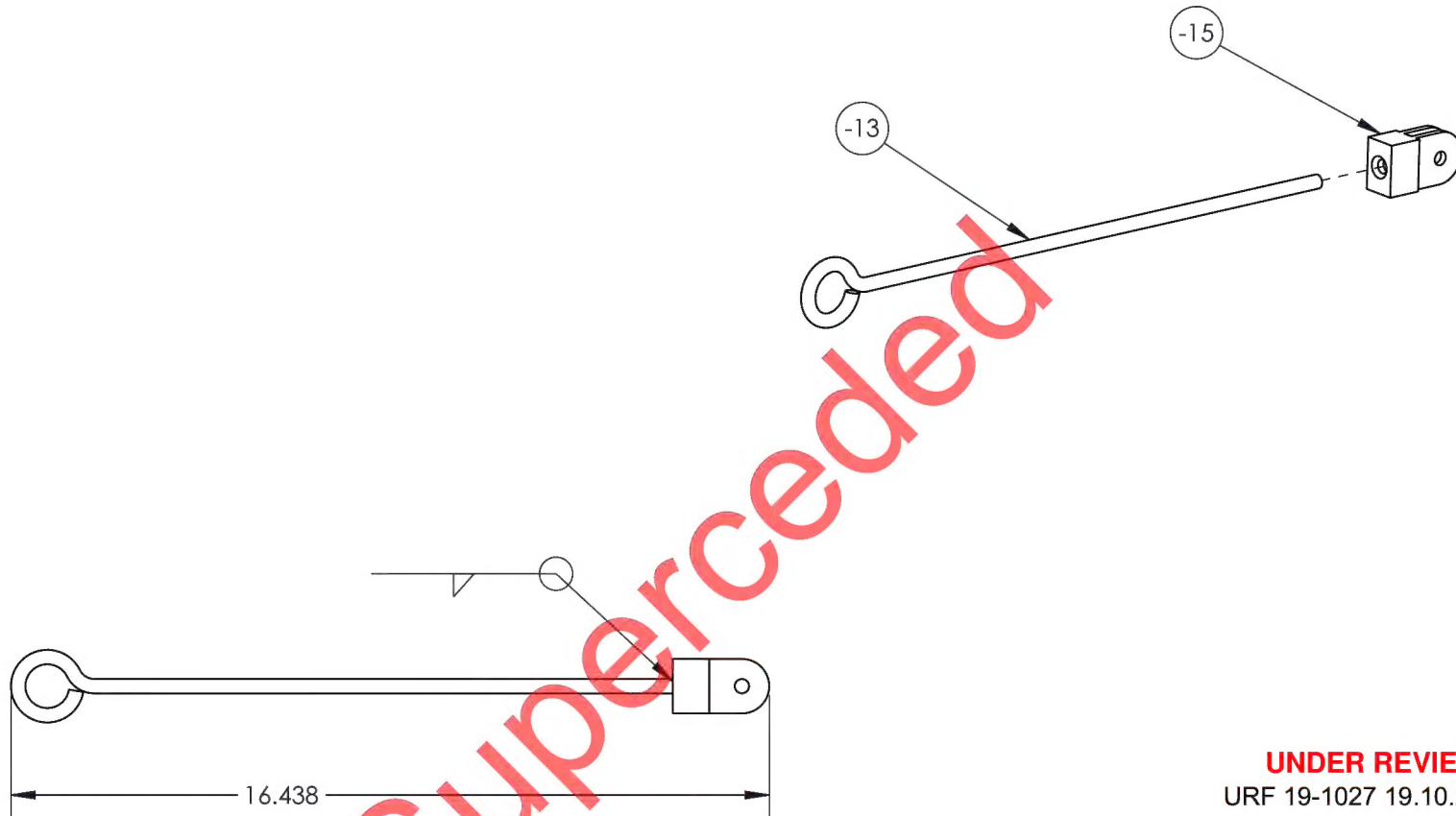
(-9)

ROD

 RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-9	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX \pm .005 .XX \pm .01 .X \pm .1 FRACTIONS \pm 1/32 ANGLES \pm 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:3	DATE 5/3/2011
SHEET 6 OF 12	

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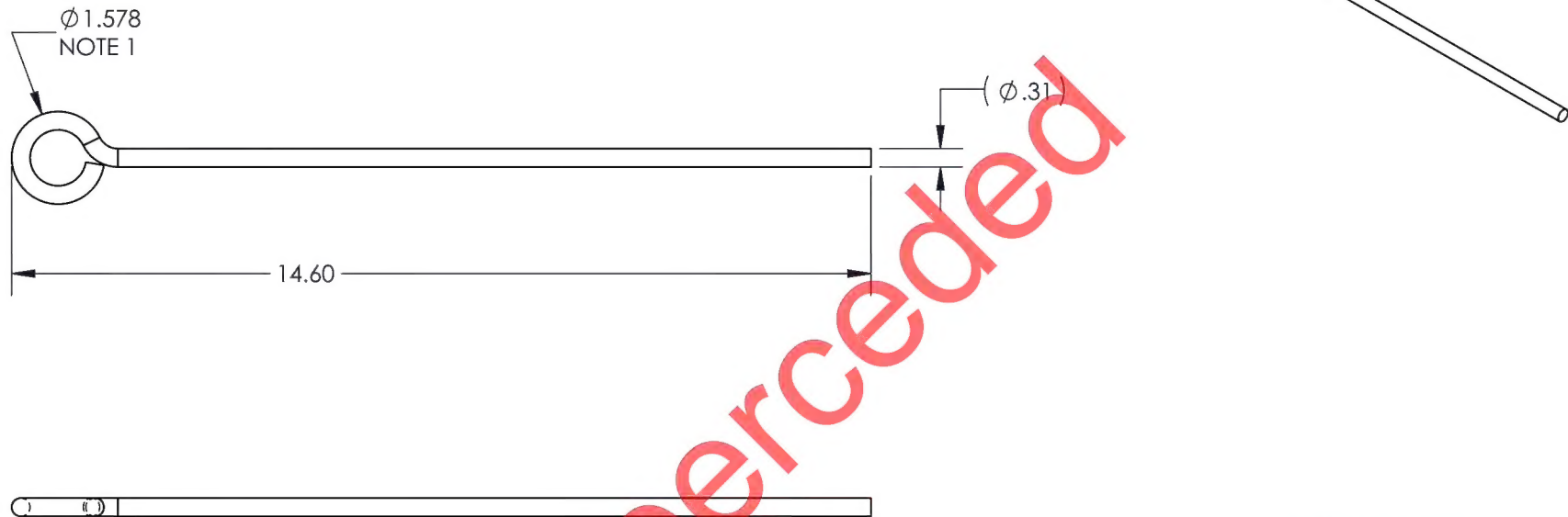
UNDER REVIEW
URF 19-1027 19.10.28 (VM)

-11
CLEVIS ROD WELDMENT

RB RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-11	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL EUROCOPTER
SCALE 1:3	DATE 5/3/2011
SHEET 7 OF 12	

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UNDER REVIEW
URF 19-1027 19.10.28 (VM)

NOTE: 1. FINISH DETAIL SHOWN, ALLOW .25 GAP FOR ASSEMBLY.

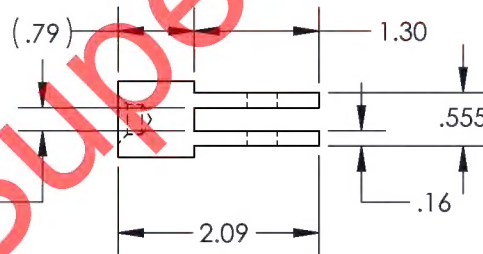
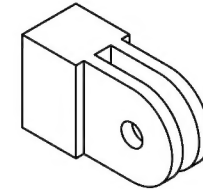
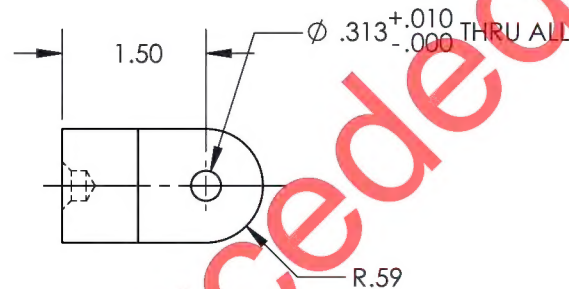
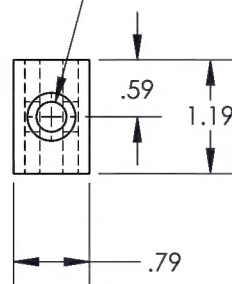
(-13)
CLEVIS ROD

 RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-13	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:3	DATE 5/3/2011
SHEET 8 OF 12	

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$\varnothing .313 \pm .25$
 $\checkmark \varnothing .50 \times 90^\circ$, NEAR SIDE



UNDER REVIEW
 URF 19-1027 19.10.28 (VM)

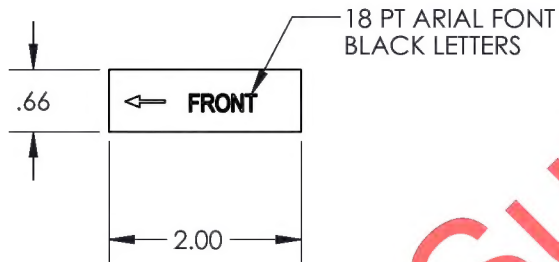
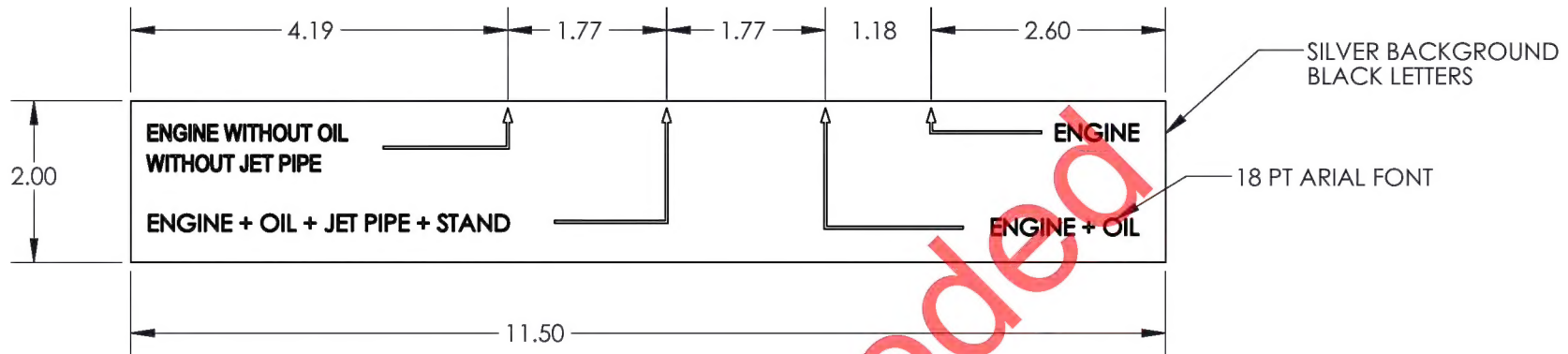
(-15)

CLEVIS

 RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-15	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX \pm .005 .XX \pm .01 .X \pm .1 FRACTIONS \pm 1/32 ANGLES \pm .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 5/3/2011
SHEET 9 OF 12	

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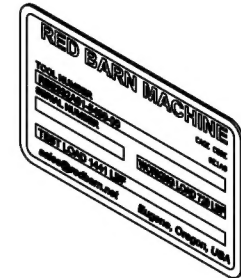
UNDER REVIEW
URF 19-1027 19.10.28 (VM)

(-17)
STICKER

RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-17	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: D Weil HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:2	DATE 5/3/2011
SHEET 10 OF 12	

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RED BARN MACHINE

CAGE CODE 0E1A0

TOOL NUMBER
 RBE332A91-5490-00

SERIAL NUMBER
 []

WORKING LOAD 720 LBF

TEST LOAD 1441 LBF

sales@redbarn.net Eugene, Oregon, USA

UNDER REVIEW
 URF 19-1027 19.10.28 (VM)

-19

PLACARD

RED BARN MACHINE	
TITLE SLING, MAKILA 2A, TOOL	
DWG NO. RBE332A91-5490-00-19	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 5/3/2011
SHEET 11 OF 12	

DRAWN BY: GILBERT
APPROVED <i>D Weil</i>
HEAT TREAT
FINISH
SPEC
USED ON MODEL
EUROCOPTER

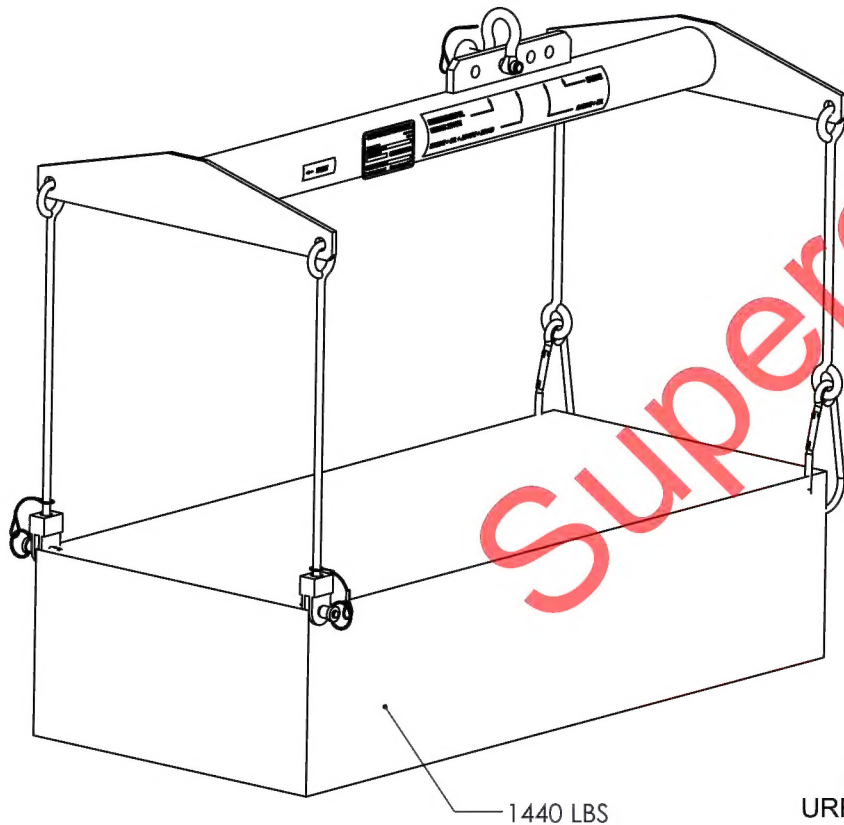
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RED BARN MACHINE
190 S. DANEBO AVE., EUGENE OR. 97402
(541)344-9953; fax (541)344-3863
e-mail; sales@redbarn.net

INSPECTION & TESTING PROCEDURES FOR THE
RBE332A91-5490-00, SLING, MAKILA 2A, TOOL.
THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED
OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST



FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON A OVERHEAD LIFTING DEVICE. ATTACH 4 CONNECTOR HOOKS TO AN APPROAITE TEST WEIGHT OF 1440 LBS, USE BALL LOCK PINS, AND CARABINERS TO LOCK INTO FIXTURE.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR _____

TESTER _____

S.N. _____

DATE _____

UNDER REVIEW
URF 19-1027 19.10.28 (VM)

RED BARN MACHINE		
TITLE	SLING, MAKILA 2A, TOOL	
DWG NO.	RBE332A91-5490-00	REV